

All st. steel pressure gauges for Industrial applications series MAX

All st. steel materials
Dry, glycerine or silicon filled

General specification

- All st. steel pressure gauges
- Pressure ranges from -1...0 bar & 0...0.6 bar to 0...1600 bar
- Case and element assembly of stainless steel
- Bayonet bezel ring with stainless steel 304
- German movement and sensing element
- Degree of Protection, IP65

Application area

- MAX is suitable for use in various sectors of industry
- High quality stainless steel design for measuring gaseous, liquid and aggressive media.
- Chemical and petrochemical industry
- Pharmaceutical, food and beverage industry

General specification

Normal Size & pressure ranges

MAX.3xx : 63mm	-1...0 & 0...1.6 bar to 1000 bar
MAX.4xx : 80mm	-1...0 & 0...1.6 bar to 1000 bar
MAX.5xx : 100mm	-1...0 & 0...0.6 bar to 1600 bar
MAX.8xx : 160mm	-1...0 & 0...0.6 bar to 1600 bar

Accuracy class

MAX3, MAX4 :	Accuracy (DIN EN 837-1) class 1.6 Pressure ≤ 1.0 bar, Accuracy class 2.5%
MAX5, MAX8 :	Accuracy (DIN EN 837-1) class 1.0 Pressure ≤ 1.0 bar, Accuracy class 1.6%

Type of mounting

Bottom connection
Bottom connection with back flange
Back connection
Back connection with front flange

Pressure limitation

	NS 63	NS 100 & 160
Steady:	3/4 x full scale value	Full scale value
Fluctuating:	2/3 x full scale value	0.9 x full scale value
Short time:	full scale value	1.3 x full scale value

Temperature range of

Medium / operating:	
unfilled instruments:	-40...+200°C
with glycerine filling:	-20...+100°C
with silicon oil filling:	-40...+100°C
Ambient :	
unfilled instruments:	-40...+60°C
with glycerine filling:	-20...+60°C

Degree of protection	DIN EN 60 529/IEC 529 IP 65
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All st. steel pressure gauge, series MAX

Manufacturing standard

- EN 837-1
- ASME B40.100
- ANSI/B1.20.1 for process connection

Case and bayonet bezel ring

With blow-out top
Made of stainless steel, SUS 304
Bayonet ring

Bourdon tube material

Stainless steel, SUS 316L upto 1600 bar

Tube form

Pressure ≤ 40 bar : Bourdon tube (C-tube)
Pressure ≥ 60 bar : Herical tube (H-tube)

Movement	Stainless steel
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Dial	Aluminium, white
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Pointer	Aluminium, black Zero adjustable pointer [option]
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Mark pointer	Red mark pointer on bayonet ring adjustable [option]
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Pointer stop pin	without
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Window	Instrument safety glass
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Case filling	without, dry type Glycerine 85% Silicon oil 85%
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Restrictor	without / with [option]
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Ordering information

MODEL CODE

MAX

option

Dial size	
3	63 mm
4	80 mm
5	100 mm
6	160 mm

Mounting	
1	Bottom connection
2	Bottom connection with back flange
3	Back connection
4	Back connection with front flange

Liquid filling	
0	Dry
1	Glycerin
2	Silicon

Process connection					
G2	G 1/2"	N2	NPT 1/2"	U1	UNF 7/16"-20 Male
G3	G 3/8"	N3	NPT 3/8"	U2	UNF 7/16"-20 Female
G4	G 1/4"	N4	NPT 1/4"	U3	UNF 9/16"-18 Female
R2	R 1/2"			U4	UNF 9/16"-18 Male
R3	R 3/8"			U5	UNF 5/8"-18 Female
R4	R 1/4"			M1	M16 x 1.5 Female

Unit of measurement			
B	bar	P	psi
M	MPa	D	dual scale (MPa/bar)

Pressure range code
Refer to pressure range table

Option
Refer to option table

Pressure range code, unit bar

Code	Range	Code	Range	Code	Range	Code	Range	Code	Range
R05	-1...+24	R17	-1...+0.6	R30	0...4	R41	0...60	R55	0...1000
R07	-1...+15	R19	-1...0	R32	0...6	R43	0...100	R56	0...1600
R09	-1...+9	R21	0...0.6	R33	0...10	R45	0...160		
R11	-1...+5	R23	0...1	R35	0...16	R47	0...250		
R13	-1...+3	R26	0...1.6	R37	0...25	R50	0...400		
R15	-1...+1.5	R28	0...2.5	R39	0...40	R53	0...600		

Option code

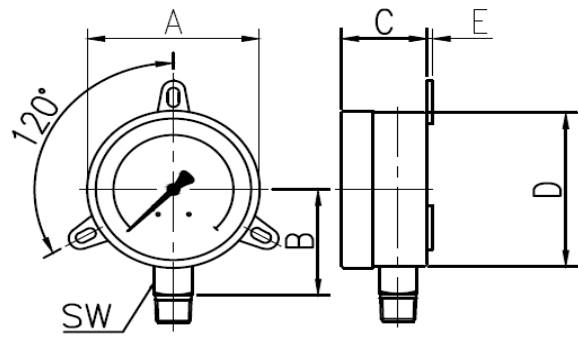
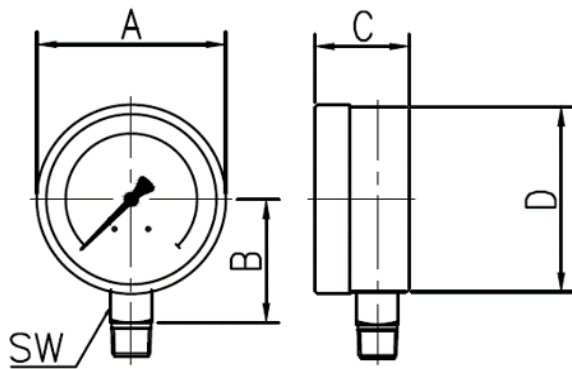
Code	Description	Code	Description
ND	New dial design	TP	St. stell tag plate, 60 x 20 x 0.5t
NF	New dial face printing cost per pcs	MC	Manufacture calibration certificate
GM	Green marking per pcs	KC	KOLAS Ilac-MRA calibration certificate
CD	New dial face design with company logo	RE	Reed switch
RS	Restrictor screw in socket hole for high pulsation	SN	Snubber
UC	U-calmp for back connection, steel	AD	Adaptor
NO	"USE No OIL" per pcs, at least ≥ 10 pcs	CC	Certificate of conformance / origin
OF	Oval 3-hole front flange	PM	2" Pipe mounting bracket
MP	Maximum red pointer	NC	Ni-Cr Plate
BB	Bayonet bezel ring for MAXK.5xx	AL	Aluminium pointer for MAXK.3xx

How to order

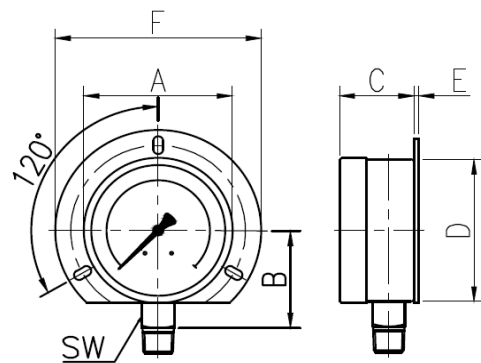
MAX.511.G2.D.R33.GM

MAX, 100mm, Bottom connection, Gly, G1/2", 0...10 bar/MPa, Green marking (customized)

Outline drawing



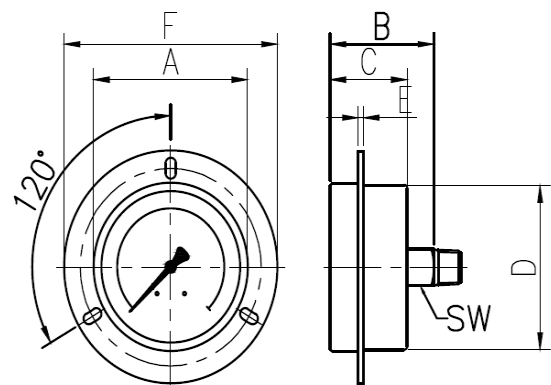
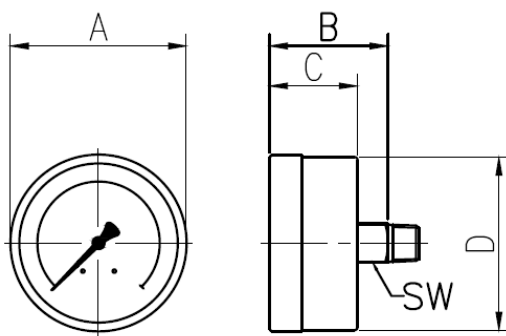
MAX.5xx & MAX.8xx



MAX.3xx & MAX.4xx

Bottom connection

Bottom connection with Rear Flange



Back connection / center back

Back connection with Front Flange

Dimension (mm)

Series MAX	A	B	C	D	E	F	SW
MAX.3xx	63.5	42	31	61	2	85	14
MAX.4xx	79.5	67	37	77.5	2	112	17
MAX.5xx	100.5	90	49	97	2	132	22
MAX.8xx	160	116	50	156	4	196	26

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